

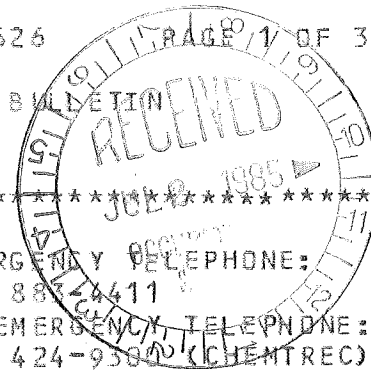
**Mobil**

DPM 5348

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PAGE 1 OF 3

MOBIL OIL CORPORATION MATERIAL SAFETY DATA BULLETIN



\*\*\*\*\* I. PRODUCT IDENTIFICATION \*\*\*\*\*  
MOBILGREASE 28

SUPPLIER: MOBIL OIL CORP.  
CHEMICAL NAMES AND SYNONYMS: SYN. HYDROCARBONS AND ADDITIVES  
USE OR DESCRIPTION: AVIATION GREASE  
HEALTH EMERGENCY TELEPHONE: (212) 885-4411  
TRANSPORT EMERGENCY TELEPHONE: (800) 424-9300 (CHEMREC)

\*\*\*\*\* II. TYPICAL CHEMICAL AND PHYSICAL PROPERTIES \*\*\*\*\*

APPEARANCE: RED GREASE ODOR: MILD PH: NA  
VISCOSITY AT 100 F, SUS: 144.0 AT 40 C, CS: 28.0  
VISCOSITY AT 210 F, SUS: 44.0 AT 100 C, CS: 5.2  
FLASH POINT F(C): 450(232) (EST (OIL COC))  
MELTING POINT F(C): NA POUR POINT F(C): NA  
BOILING POINT F(C): > 600(316)  
RELATIVE DENSITY, 15/4 C: 0.887 SOLUBILITY IN WATER: NEGLIGIBLE  
VAPOR PRESSURE-MM HG 20C: < .1  
NOTE: MOST PHYSICAL PROPERTIES FOR OIL COMPONENT.  
NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES  
FOR FURTHER INFORMATION, CONTACT YOUR LOCAL MARKETING OFFICE.

\*\*\*\*\* III. INGREDIENTS \*\*\*\*\*

WT PCT (APPROX)	EXPOSURE LIMITS MG/M3 PPM	SOURCES (AND NOTES)
HAZARDOUS INGREDIENTS: NONE		

OTHER INGREDIENTS:  
SYNTHETIC OILS >70  
ADDITIVES AND/OR OTHER INGREDIENTS <30

KEY TO SOURCES: A=ACGIH-TLV, A\*=SUGGESTED-TLV, M=MOBIL, D=OSHA  
NOTE: LIMITS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

\*\*\*\*\* IV. HEALTH HAZARD DATA \*\*\*\*\*

EFFECTS OF OVEREXPOSURE: ON RARE OCCASIONS, HYPERSENSITIVE INDIVIDUALS  
MAY DEVELOP SKIN ALLERGIES. IF THIS OCCURS, REMOVE FROM FURTHER  
EXPOSURE AND SEEK ADVICE OF A PHYSICIAN.

\*\*\*\*\* V. EMERGENCY AND FIRST AID PROCEDURES \*\*\*\*\*

EYE CONTACT: FLUSH WITH WATER.  
SKIN CONTACT: WASH CONTACT AREAS WITH SOAP AND WATER.  
INHALATION: NOT EXPECTED TO BE A PROBLEM.  
INGESTION: NOT EXPECTED TO BE A PROBLEM. HOWEVER, IF GREATER THAN 1/2  
LITER(PINT) INGESTED, IMMEDIATELY GIVE 1 TO 2 GLASSES OF WATER AND  
CALL A PHYSICIAN, HOSPITAL EMERGENCY ROOM OR POISON CONTROL CENTER  
FOR ASSISTANCE. DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH  
TO AN UNCONSCIOUS PERSON.

\*\*\*\*\* VI. FIRE AND EXPLOSION HAZARD DATA \*\*\*\*\*  
 FLASH POINT F(C): 450(232) (EST (OIL COC))  
 FLAMMABLE LIMITS. LEL: .6 UEL: 7.0  
 EXTINGUISHING MEDIA: CARBON DIOXIDE, FOAM, DRY CHEMICAL AND WATER FOG.  
 SPECIAL FIRE FIGHTING PROCEDURES: FIREFIGHTERS MUST USE SELF-CONTAINED  
 BREATHING APPARATUS.  
 UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

\*\*\*\*\* VII. REACTIVITY DATA \*\*\*\*\*  
 STABILITY (THERMAL, LIGHT, ETC.): STABLE  
 CONDITIONS TO AVOID: EXTREME HEAT  
 INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZERS  
 HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE.  
 HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

\*\*\*\*\* VIII. SPILL OR LEAK PROCEDURE \*\*\*\*\*  
 ENVIRONMENTAL IMPACT: REPORT SPILLS AS REQUIRED TO APPROPRIATE  
 AUTHORITIES. U. S. COAST GUARD REGULATIONS REQUIRE IMMEDIATE  
 REPORTING OF SPILLS THAT COULD REACH ANY WATERWAY INCLUDING  
 INTERMITTENT DRY CREEKS. REPORT SPILL TO COAST GUARD TOLL FREE  
 NUMBER 800-424-8802.  
 PROCEDURES IF MATERIAL IS RELEASED OR SPILLED: SCRAPE UP AND REMOVE.  
 DISPOSE OF AT AN APPROPRIATE WASTE DISPOSAL FACILITY IN ACCORDANCE  
 WITH CURRENT APPLICABLE LAWS AND REGULATIONS, AND PRODUCT  
 CHARACTERISTICS AT TIME OF DISPOSAL.  
 WASTE MANAGEMENT: DILUTE WASTE WITH A SOLVENT, TO REDUCE ITS VISCOSITY,  
 AND DISPOSE BY SUPERVISED INCINERATION IN COMPLIANCE WITH  
 APPLICABLE LAWS AND REGULATIONS.

\*\*\*\*\* IX. SPECIAL PROTECTION INFORMATION \*\*\*\*\*  
 EYE PROTECTION: NO SPECIAL EQUIPMENT REQUIRED.  
 SKIN PROTECTION: NO SPECIAL EQUIPMENT REQUIRED. HOWEVER, GOOD PERSONAL  
 HYGIENE PRACTICES SHOULD ALWAYS BE FOLLOWED.  
 RESPIRATORY PROTECTION: NO SPECIAL REQUIREMENTS UNDER ORDINARY  
 CONDITIONS OF USE AND WITH ADEQUATE VENTILATION.  
 VENTILATION: NO SPECIAL REQUIREMENTS UNDER ORDINARY CONDITIONS OF USE  
 AND WITH ADEQUATE VENTILATION.

\*\*\*\*\* X. SPECIAL PRECAUTIONS \*\*\*\*\*  
 HANDLING: NO SPECIAL PRECAUTIONS REQUIRED.

\*\*\*\*\* XI. TOXICOLOGICAL DATA \*\*\*\*\*  
 ---ACUTE---  
 ORAL TOXICITY (RATS): SLIGHTLY TOXIC(ESTIMATED) ---BASED ON TESTING OF  
 SIMILAR PRODUCTS AND/OR THE COMPONENTS.  
 DERMAL TOXICITY (RABBITS): SLIGHTLY TOXIC(ESTIMATED) ---BASED ON  
 TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.  
 INHALATION TOXICITY (RATS): NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF  
 MISTS AND/OR VAPORS ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY  
 CUSTOMARY OR REASONABLY FORESEEABLE HANDLING, USE, OR MISUSE OF  
 THIS PRODUCT.  
 EYE IRRITATION (RABBITS): EXPECTED TO BE NON-IRRITATING. ---BASED ON  
 TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.  
 SKIN IRRITATION (RABBITS): EXPECTED TO BE NON-IRRITATING. ---BASED ON  
 TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.  
 ---CHRONIC OR SPECIALIZED (SUMMARY)---  
 THIS PRODUCT CONTAINS A SMALL AMOUNT OF AN ADDITIVE WHICH, IN RARE CASES,  
 MAY CAUSE SKIN SENSITIZATION IN HYPERSENSITIVE INDIVIDUALS.

\*\*\*\*\* XII. REGULATORY INFORMATION \*\*\*\*\*  
TSCA INVENTORY STATUS: ALL COMPONENTS ARE REGISTERED.  
EINECS INVENTORY STATUS: ALL COMPONENTS ARE REGISTERED.  
THE FOLLOWING PRODUCT INGREDIENTS ARE CITED ON THE LISTS BELOW:

CHEMICAL NAME	CAS NUMBER	LIST CITATIONS
1,3-PROPANEDIOL, 2,	115-77-5	2
2-BIS(HYDROXYMETHYL)-		

--- KEY TO LIST CITATIONS ---

1 = OSHA,	2 = ACGIH,	3 = IARC,	4 = NTP,	5 = NCI,
6 = EPA CARC,	7 = NFPA 49,	8 = NFPA 325M,	9 = DOT HMT,	10 = CA RTK,
11 = IL RTK,	12 = MA RTK,	13 = MN RTK,	14 = NJ RTK,	15 = NJ SHH,
16 = FL RTK,	17 = PA RTK,			

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FOR MOBIL USE ONLY: (FILL NO: RR38) MHC: 1\* 1\* NA 0\* 0\* PPEC:  
US83-245 APPROVE REVISED: 10/26/83

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PREPARED BY: MOBIL OIL CORPORATION  
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPARTMENT, PRINCETON, NJ  
FOR FURTHER INFORMATION, CONTACT:  
MOBIL OIL CORPORATION, PRODUCT FORMULATION AND QUALITY CONTROL  
3225 GALLOWS ROAD, FAIRFAX, VA 22037 (703) 849-3265

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INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT  
WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR  
PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT  
ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL  
WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF  
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE  
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